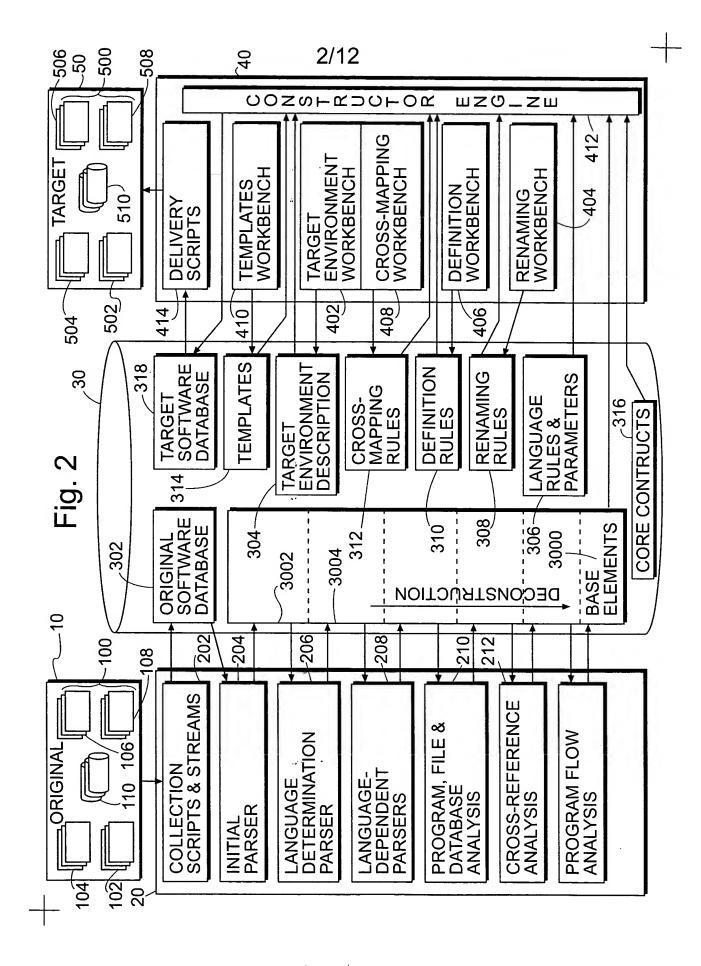


Fig. 1



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Fig. 3

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		MIG-APPL-NAME	MIG-BCCN-APP-DATE	MIG-BCCN-APPLICATION	MIG-BCCN-APPROVED	MIG-BCCN-APP-TIME	MIG-BCCN-CANCEL-DATE	MIG-BCCN-COMMENT-LINE	MIG-BCCN-COMMENT-LINE	MIG-BCCN-CV1-DATE	MIG-BCCN-CV2-DATE	MIG-BCCN-ENTITY	MIG-BCCN-ENTITY-FILLER	MIG-BCCN-ENTITY-NAME	MIG-BCCN-ENTITY-VERSION	MIG-BCCN-FILLER	MIG-BCCN-JOB	MIG-BCCN-JOBID	MIG-BCCN-NUMBER	MIG-BCCN-NUMBER	MIG-BCCN-NUMBER	CON-NUMBER	MIG-BCCN-OPEN-TYPE	MIG-BCCN-PRO-DATE	MIG-BCCN-PROMOTED	MIG-BCCN-PRO-11ME	MIG-BCCN-STATUS	MIG-BCCN-XREF	MIG-DATE-BCCN-MEM	MIG-DATE-STATUS	MIG-ENTITY-NAME	MIG-ENTITY-TYPE	MIG-ENTITY-VERSION	MIG-ENTY-PREV-STATUS	MIG-ENTY-PUNCH	MIG-ENTY-STATUS	MIG-PGMR-BCCN-MEM	MIG-PGMR-USERID	MIG-SYST-BCCN	MIG-SYST-BCCN	PK-DUPID-MIG-BCNENT
		AG-A	AIG-B(Alg-Bi	AIG-B(AIG-B(AIG-B(AIG-B(AIG-B(AIG-BC	AIG-B(41G-B(AIG-BC	AIG-B(AIG-B(AIG-BC	AIG-BC	41G-B(AIG-B(AIG-BC	4G-BC	AG BY	톍	Alg-BK			10-BC	AIG-BC	11G-D/	4 00	1G-E	16-E	1IG-EN	11G-EN	4G-E	1G-EN		11G-PC	16-5	3	힣
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		MIG-BCCN	MIG-BCCN	MIG-BCCN	MIG-BCCN	MIG-BCCN	MIG-BCCN	MIG-BCCN	MIG-BCCN	MIG-BCCN	MIG-BCCN	MIG-BCNENT	MIG-BCNENT	MIG-BCNENT	MIG-BCNENT	MIG-BCCN	MIG-BCCN	MIG-BCCN	MIG-BCCN	MIG-BCNENT	MIG-DATE-BCCN	MIG-PGMR-BCCN MIG-BCCN-NUMBER	MIG-BCCN	MIG-BCCN	MIG-BCCN	MIG-BCCN	MIG-BCCN	MIG-BCNENT	MIG-BCCN	MIG-DATE-BCCN	MIG-BCNENT	MIG-BCNENT	MIG-BCNENT	MIG-BCNENT	MIG-BCNENT	MIG-BCNENT	MIG-BCCN	MIG-PGMR-BCCN	MIG-BCCN	MIG-BCCN	MIG-BCNENT
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Fig. 7

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```
COBOL SYNTAX METAD
                                                                                                 METADATA FOR %idmsrecordname%
           3152
                                                IDMS RECORD
                                                                                            : %idmsrecordname%
                                                RELATIONAL TABLE : %tablename%
                                 ***
                                 ***
                                                SHORT TABLE ID
                                                                                          : %tt%
                $IF RECORD-IS-CALC
                        $IF CALC-DUPLICATES-ALLOWED

*** %idmsrecordname%
                                                  ***
3147
                        $ELSE
                                                   %idmsrecordname% IS STORED CALC, DUPS NOT ALLOWED
                         $END-IF
                                                        CALC FIELD(S): (APP BUFFER / DCLGEN FIELD)-
                                                                                                                                                                                              _3141
                        $LOOP IDMS-CALC-FIELDS
  3148
                                                                                             %idmsfield% / %fielddclgen%
                        SEND-LOOP
                $END-IF
                                                                                                                                                                               3145
                                                        PRIME KEYS OF TABLE:
                $LOOP MEM-PK-KEYS
                                                                                >> %memdclgenprefix%%fielddclgen%
                SEND-LOOP
                                4+4
                                             ID COL IN TABLE : %idcoldclgen%
                                ***
                                                                   IN RECORD : %idcoltable%
                $IF ID-COLUMN-IN-PRIMEKEY
                                                                                                                                                                  3142
                                                                   ID COL IS IN PRIME KEYS
                SELSE
                                                                  ID COL IS NOT IN PRIME KEYS
                                                                                                                                                                                                     3149
                $END-IF
                $LOOP LIST-ALL-MEMBER
                     $INSERT POWERSKEL DEMO, POWERSKEL DEMO - COBOL META DATA MEMBER
                SEND-LOOP
                                                       END OF METADATA FOR THIS PROGRAM
                                                                                                                                                  %today%.
        3154
                $LOOP LIST-ALL-MEMBER
                        $IF LIST-IS-NOT-MANDATORY
                                $IF LIST-IS-AUTOMATIC
*** SET MEMBERSH
                                                        SET MEMBERSHIP SWITCH FOR %LL% TO "Y"
                                ***
                                             \verb"MOVE 'Y' TO $tagenfore fix $tagenfore the constraint of the co
                                $ELSE
                                                        SET MEMBERSHIP SWITCH FOR %LL% TO "N"
                                             MOVE 'N' TO %memdclgenprefix%%membelongsflagdclgen% OF %dclgen011evel%.
                                $END-IF
                        SEND-IF
                                                                      3143
                $END-LOOP
                                               3140
```

Fig. 8

```
$POWERSKEL DEMO, POWERSKEL DEMO - COBOL META DATA MEMBER
         *** MEMBER IN SET: %idmssetname% (SHORT ID IS %11%)
  MEMBER IN SET
$IF LIST-IS-RECORD-OWNED
*** OWNER
                                       : %owntablename% (%owntableshortid%)
  $ELSE
                 SET HAS NO OWNER
  $END-IF
                 MEMBERSHIP
                                       : %optormandatory% %autoormanual%
         ***
                                       : %multiorsingle%
                                       : %storageorder%
  $IF LIST-HAS-JUNCTION
                 PARTICIPATION FLG: %memdclgenprefix%%membelongsflagdclgen%
JUNCTION TABLE: %optdclgen01level% (%opttableshortid%)
  $ELSE
         $1F LIST-IS-MANDATORY
         $ELSE
                 PARTICIPATION FLG: %memdclgenprefix%%membelongsflagdclgen%
         $END-IF
  $END-IF
  $IF LIST-IS-SORTED
                 SORT FIELDS
      $LOOP IDMS-SORT-FIELDS
                                       : (%descorasc%) %idmsfield%
      SEND-LOOP
      $IF LIST-HAS-SEQUENCE
                 SEQUENCE FIELD IS : %seqcolumn%
      $END-IF
  $END-IF
     $IF LIST-IS-LINKLIST
*** LINKLIST PO
                 LINKLIST POINTERS
         ***
                                          %memdclgenprefix%%memnextpointer%
%memdclgenprefix%%mempriorpointer%
                                NEXT:
         ***
                                PRIOR:
      $END-IF
3150
```

Fig. 9

```
COBOL SYNTAX METADATA FOR MIG-BCCN
                        **********
                                         : MIG-BCCN
                   IDMS RECORD
                   RELATIONAL TABLE : MIG BCCN
SHORT TABLE ID : G006
            ***
                  RELATIONAL TABLE: MIG DOC.

SHORT TABLE ID: G006

MIG-BCCN IS STORED CALC, DUPS NOT ALLOWED

CALC FIELD(S): (APP BUFFER / DCLGEN FIELD)

>> MIG-BCCN-NUMBER / G006-BC-NBR

PRIME KEYS OF TABLE:

>> G006-BC-NBR
                  1D COL IN TABLE : G006-DBS-1D-COL
                            IN RECORD : DBS ID COL
                            ID COL IS NOT IN PRIME KEYS
                  MEMBER IN SET: MIG-DATE-BCCN (SHORT ID IS P006)
OWNER : MIG DATE (G009)
MEMBERSHIP : OPTĪONAL MANUAL
5104
                                            : SINGLE-MEMBER
                                            : SORTED-DN
                                                                                         5100-
                    PARTICIPATION FLG : G006-MIG-DTE-BCCN
                    JUNCTION TABLE
SORT FIELDS
                                          : DCLMIG-DATE-BCCN (G010)
                                            : (DESC) MIG-BCCN-NUMBER
                  MEMBER IN SET: MIG-IXBCCN (SHORT ID IS P015)
SET HAS NO OWNER
                    MEMBERSHIP
                                            : MANDATORY AUTOMATIC
5106
                                            : SINGLE-MEMBER
                                            : SORTED-DN
                     SORT FIELDS
                                            : (ASC) MIG-BCCN-NUMBER
                  MEMBER IN SET: MIC-PCMR-BCCN (SHORT ID IS P022)
OWNER : MIG PGMR (G017)
MEMBERSHIP : OPTĪONAL MANUAL
                                            : SINGLE-MEMBER
5108
                                            : SORTED-DN
                    PARTICIPATION FLG : G006-PM-BCCN
                    JUNCTION TABLE
                                            : DCLMIG-PGMR-BCCN (G018)
                    SORT FIELDS
                                            : (DESC) MIG-BCCN-NUMBER
                  MEMBER IN SET: MIG-SYST-BCCN (SHORT ID IS P023)
OWNER : MIG SYST (G019)
MEMBERSHIP : MANDATORY AUTOMATIC
5110
                                              SINGLE-MEMBER
                                              NEXT
                    LINKLIST POINTERS
                                                                                    5112
                                     NEXT:
                                                G006-SY-BCCN-N
                                    PRIOR:
                                                G006-SY-BCCN-P
                       END OF METADATA FOR THIS PROGRAM
                                                                    03/28/04
           ***
                       SET MEMBERSHIP SWITCH FOR POO6 TO "N"
            ***
                  MOVE 'N' TO G006-MIG-DTE-BCCN OF DCLMIG-BCCN.
                       SET MEMBERSHIP SWITCH FOR P022 TO "N"
                  MOVE 'N' TO G006-PM-BCCN OF DCLMIG-BCCN.
```

Fig. 10

```
*** COROL SYNTAX METADATA FOR MIG-BCNENT
         LDMS RECORD
                                      : MIG-BCNENT
         RELATIONAL TABLE : MIG BENENT
SHORT TABLE ID : G007
PRIME KEYS OF TABLE:
                             >> C007-BC-NBR
>> G007-D-MIG-BCNENT
>> G007-BC-ENTITY-NAM
>> G007-BC-ENTITY-VERSION
       ID COL IN TABLE : G007-D-MIG-BCNENT
IN RECORD : D MIG BCNENT
ID COL IS IN PRIME KEYS
       MEMBER IN SET: MIG-BCCN-ENTY (SHORT ID IS P005)
OWNER : MIG BCCN (G006)
MEMBERSHIP : MANDATORY AUTOMATIC
: SINGLE-MEMBER
: CODERD N
                                         : SORTED-DL
           SORT FIELDS
                                         : (ASC) MIG-BCCN-ENTITY-NAME
: (ASC) MIG-BCCN-ENTITY-VERSION
       MEMBER IN SET: MIG-ENTY-ENTY (SHORT ID IS P008)
OWNER : MIG ENTY (G012)
MEMBERSHIP : MANDATORY AUTOMATIC
                                         : SINGLE-MEMBER
***
                                         : SORTED-DN
                                                                                             5112
***
           SORT FIELDS
* * *
                                         : (ASC) MIG-BCCN-ENTITY
              END OF METADATA FOR THIS PROGRAM 03/28/04
    5100
```

Fig. 11

```
%idmsrecordname% (%tablename%) DEFINITION
The IDMS record %idmsrecordname% is converted to a DB2 table called %tablename%
during the conversion process. Throughout the newly generated code that uses the replacement table for the %idmsrecordname% record, a short ID of "%tt%" is used to reference the table.
$IF RECORD-IS-CALC
   $IF CALC-DUPLICATES-ALLOWED
The 1DMS record %idmsrecordname% was stored CALC with duplicates allowed. Each 1DMS record
occurrence that has the same CALC key was stored in IDMS as "%idmsstoragemode%". "DF" indicates that the new occurrences are stored "first", before all other occurrences. "DL" indicates that
new occurrences are stored "last", after all other occurrences.
   $ELSE
The IDMS record %idmsrecordname% was stored CALC with duplicates not allowed. Each IDMS record occurrence with a specified CALC key can appear in the database only once. $END-IF
The CALC key fields for the IDMS %idmsrecordname* record type are listed below. The related column name in the new DB2 table (%tablename*) which replaces the IDMS field name are listed in the second column:
                 CALC IDMS Field Name (DB2 Column Name)
    $LOOP IDMS-CALC-FIELDS
    %idmsfield% (%fielddclgen%)
SEND-LOOP
SEND-IF
The unique primary key columns for the new %tablename% table in DB2 are:
                 DB2 Unique Primary Key
$LOOP MEM-PK-KEYS
                 %memdclgenprefix%fielddclgen%
$END-LOOP
```

Fig. 12